



Environmental Laboratory Advisory Committee (ELAC) Final Meeting Minutes: January 8, 2015

Note: Information communicated in these minutes is not to be used as official New Jersey Department of Environmental Protection policy or as an official Department notification. Contact NJDEP officials directly for official information regarding matters communicated in these minutes.

Administrative Business:

The meeting was called to order at 9:30am by the ELAC Chair, Eileen Snyder (Alpha Analytical). Meeting minutes were taken by the ELAC Secretary, Dorothy Love (Eurofins Lancaster Labs Env). The December 2014 ELAC Meeting Minutes were approved, with a motion by Steve Reduker (IAL Labs) and seconded by Greg Tomkovich (Accutest).

Environmental Laboratory Certification Program (ECLP): No program update was provided.

Questions on the Certification Program may be emailed to Rachel Ellis (NJDEP-OQA) at: rachel.ellis@dep.nj.gov

Proficiency Test (PT) Program: No program update was provided.

Less Glessner (Landis Sewerage Authority) noted that letters were sent to the state (ELAC) laboratories regarding the March wastewater PTs. The testing of these PTs needs to be after 3/1/15.

Questions on the PT Program may be emailed to Rachel Ellis (NJDEP-OQA) at: rachel.ellis@dep.nj.gov

The NELAC Institute (TNI):

[Dorothy Love, Eurofins Lancaster Labs Environmental] noted that the Chemistry Committee has posted a working draft standard of the TNI Volume 1 Module 4 section 1.5.2 for LODs/LOQs. Comments are to be submitted to Richard Burrows by January 12, 2015. See <http://www.nelac-institute.org/cms/posts/1415760990.php>. In addition, voting is open for the proposed changes to the TNI Calibration Standards Volume 1 Module 2 section 1.7. You must be a member to vote and all votes/comments need to be submitted through the TNI website by Jan. 17th.

The winter TNI meeting is scheduled for the week of February 2nd in Crystal City VA.

Sludge / Biosolids: No program updates were reported. For questions regarding this program contact Anthony Pilawski at Anthony.Pilawski@dep.nj.gov, 609-633-3823.

Division of Water Supply/Safe Drinking Water: An update was provided by Linda Bonnette (NJ BSDW).

The method revisions to the gross alpha method ECLS-R-GA Rev 8 has been mailed out to all licensed operators. OQA had emailed the memo to laboratories. A copy is attached with the minutes.

Please note that NJ DEP adopts the EPA primary drinking water standards by reference in the NJ DEP rules. The secondary standards are not included by reference in the NJ DEP rules. However, there are state regulations on these.

Questions on the Drinking Water Program may be emailed to Linda Bonnette (NJDEP-BSDW) at: linda.bonnette@dep.nj.gov

Site Remediation Program: No update was provided from the DEP.

Laboratory feedback regarding the NJDKQPs is that many clients still do not fully understand how to use these or how they apply to their projects.

New Business:

Harvey Klein (Garden State Labs) brought up a concern regarding perchlorate in drinking/well water. He was contacted by a client about perchlorate in a private well. NJ does not stipulate a MCL for perchlorate in drinking water. NJ DWQI had

previously recommended a 5 ppb MCL which was proposed by the former commissioner but was never promulgated. Perchlorate is not regulated under the Private Well Testing Act (PWTA). However, Point of Entry Treatment (POET) systems are installed and funded by the state for the original homeowner in areas where perchlorate contamination exists. As part of a property transfer there is no communication regarding perchlorate contamination since it does not have a MCL and does not fall under the PWTA. Since DEP funds the POET system for the original homeowner, should it be addressed in the PWTA so that communication carries through to subsequent owners?

Subcommittees:

MUR Subcommittee: No update was provided by NJ DEP

Electronic Data Deliverables Subcommittee: An update for the SRP-EDD Subcommittee was provided by Andy Geary (NJDEP-SRP-BIS) prior to the meeting and disseminated to the meeting attendees. There were no NJDEP EDD representatives at the meeting or further discussion on the topic.

The EDD staff discussed the standard SRP EDD qualifiers with Greg Toffoli and will submit the table to NJ ELAC for review. See attachment at the end of the minutes.

The EDD staff continues to work with the DEP Online Unit. LSRP retention forms and annual remediation fee payment is live. The RI service is expected to be completed in late Spring or early Summer. Once this is in place, work will begin on an interface for laboratory data package upload.

Questions and comments may be directed to Andy Geary (NJDEP-SRP-BIS) at: andy.geary@dep.nj.gov

Communications / OQA Website:

ELAC Chair, Eileen Snyder (Alpha Analytical) reported that the NJDEP-OQA **website** is up to date with the minutes and the 2015 meeting calendar. ELAC members and stakeholders are encouraged to sign up for both the NJDEP-OQA and NJDEP-SRP listserv options to receive email notifications from NJDEP.

Meeting Schedule: The Meeting was adjourned with a motion by Steve Reduker (IAL Labs) and seconded by Sharon Robinson (NJ DOH). The next scheduled ELAC Meeting will be held on **Thursday February 12, 2015 at 9:30AM**, at NJDEP, 401 East State Street, **5th Floor Conference Room** in Trenton, New Jersey. Those planning to attend must email the ELAC Secretary, Dorothy Love at: dorothylove@eurofinsUS.com by Thursday, January 29, 2015.

Note: *All visitors must show one form of photo identification, or two non-photo IDs, when signing in at the NJDEP main lobby in the Trenton, New Jersey complex (401, 501, 440 and 428 E. State Street buildings). All visitors should be prepared to verify their identification. **Visitors must be escorted at all times by a NJDEP representative when in the building.***

EDD Attachment

LabQAqual	Organic	Inorganic	Definition	Fuller text from CLP
*		✓	Duplicate analysis is outside control limits	Duplicate analysis not within control limits. [ISM01.2 & ISM01.3]
A	✓		TIC from an Aldol Condensation Product	This flag indicates that a TIC is a suspected Aldol-condensation product. [SOM01.1 & SOM01.2]
B	✓		Contaminant found in association with Method Blank as well as sample	This flag is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag shall be used for a TIC as well as for a positively identified target compound. ... Blank contaminants are flagged "B" only when they are detected in the sample. [SOM01.1 & SOM01.2]
D	✓		Reported value is from a diluted sample	If a sample or extract is reanalyzed at a DF greater than 1 ... all reported concentrations ... are flagged with the "D" flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract. ...The "D" flag is not applied to compounds which are not detected in the sample analysis (i.e., compounds reported with the adjusted CRQL and the "U" flag). ... [SOM01.1 & SOM01.2]
D		✓	Reported value is from a diluted sample	The reported value is from a dilution. [ISM01.2 & ISM01.3]
E	✓		Result exceeds the value of the highest initial calibration standard	This flag identifies compounds whose responses exceed the response of the highest standard in the initial calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the response of the highest standard in the initial calibration, the sample or extract shall be diluted and reanalyzed ... All such compounds with responses greater than the response of the highest standard in the initial calibration shall have the result flagged with an "E" ... [SOM01.1 & SOM01.2]
EI		✓	Estimated Value due to interference	The reported value is estimated due to the presence of interference. An explanatory note shall be included... [ISM01.2 & ISM01.3]
J	✓		Estimated Value	This flag indicates an estimated value. This flag is used when: (1) estimating a concentration for Tentatively Identified Compounds (TICs) where a 1:1 response is assumed; (2) the mass spectral and Retention Time (RT) data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL but greater than zero; and (3) the RT data indicate the presence of a compound that meets the pesticide and/or Aroclor identification criteria, and the result is less than the adjusted CRQL but greater than zero. ... NOTE: The "J" flag is not used, and the compound is not reported as being identified for pesticide or Aroclor results less than the adjusted CRQL, if the pesticide residue analysis expert determines that the peaks used for compound identification resulted from instrument noise or other interferences (e.g., column bleed, solvent contamination). [SOM01.1 & SOM01.2]
J		✓	Estimated Value	Enter "J" if the reported value was obtained from a reading that was less than the CRQL but greater than or equal to the MDL. [ISM01.2 & ISM01.3]

N	✓		Presumptive evidence of a tentatively identified compound.	This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used in combination with the J flag. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, or for an unknown" (no matches >= 85%), the "N" flag is not used. [SOM01.1 & SOM01.2]
NS		✓	Spiked sample recovery outside control limits	Spiked sample recovery not within control limits. [ISM01.2 & ISM01.3]
P	✓		For pesticide or Aroclor, lower of 2 detected concentrations where RPD exceeds specified limit	This flag is used for pesticide and Aroclor target compounds when there is greater than 25% difference for detected concentrations between the two GC columns.... The lower of the two values is reported ...and flagged with a "P". The "P" flag is not used unless a compound is identified on both columns. [SOM01.1 & SOM01.2]
U	✓		Compound not detected in analysis	This flag indicates the compound was analyzed for but not detected. ... [SOM01.1 & SOM01.2]
U		✓	Compound not detected in analysis	If the reading was less than the MDL, a "U" shall be entered. [ISM01.2 & ISM01.3]